

## Ceradyne Ceralloy® 137 CA AlN Composite

Category : Ceramic , Nitride

**Material Notes:**

Applications: cryogenic environment applicationsterminationssever wedgesload pelletsabsorbersFeatures: dielectric loss independent from temperature.Information provided by Ceradyne Company

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ceradyne-Ceralloy-137-CA-AlN-Composite.php](http://www.lookpolymers.com/polymer_Ceradyne-Ceralloy-137-CA-AlN-Composite.php)

Physical Properties	Metric	English	Comments
Density	2.99 g/cc	0.108 lb/in <sup>3</sup>	

Thermal Properties	Metric	English	Comments
CTE, linear	5.00 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	2.78 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 - 1000 $^\circ\text{C}$	@Temperature 68.0 - 1830 $^\circ\text{F}$	
Thermal Conductivity	85.0 W/m-K	590 BTU-in/hr-ft <sup>2</sup> - $^\circ\text{F}$	

Electrical Properties	Metric	English	Comments
Dielectric Constant	18	18	
	@Frequency 8.00e+9 Hz	@Frequency 8.00e+9 Hz	
	18	18	
	@Frequency 1e+10 Hz	@Frequency 1e+10 Hz	
Dissipation Factor	28	28	
	@Frequency 1e+9 Hz	@Frequency 1e+9 Hz	
	0.20	0.20	
	@Frequency 1e+9 Hz	@Frequency 1e+9 Hz	
	0.20	0.20	
	@Frequency 8.00e+9 Hz	@Frequency 8.00e+9 Hz	
	0.20	0.20	
	@Frequency 1e+10 Hz	@Frequency 1e+10 Hz	

## Contact Songhan Plastic Technology Co.,Ltd.

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